FORM PTO-1449

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FORM PTO-1449 (Rev. 2-32)	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	ATTY. DOCKET NO. MAT-8170US	SERIAL NO To Bo Assigned		84
Information Disclosure Statement by Applicant		APPLICANT K. Miyano et al.			/9209
(Us	se several sheets if necessary)	FILING DATE	GROUP 2642		1099 00 100 100 100 100 100 100 100 100

U.S. PATENT DOCUMENTS

Exmr Initial	Document Number	Date	Name	Class	Sub Class	Filing Date
34	5,936,577	08/10/99	Shoki et al.	342	373	
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FOREIGN PATENT DOCUMENTS

Exmr Initial	Document Number	Date	Country	Class	Sub Class	Translation YES NO
QN	EP837523 -	04/22/98	EPO			1
an	10126139	05/15/98	Japan (with English Abstract)			
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OTHER DOCUMENTS

(Including Author, Title, Date, Pertinent Pages, Etc.)

an		"Pattern Synthesis of Circula Antennas and Propagation, N	ar Arrays with Many Directive Elements", pp. 758-759, IEEE Transactions On November 1968.	<u> </u>
an		"An Adaptive Zone Configu Technical Report of IEICE.	ration System Using Array Antennas" by Kazuo Kubotta et al. pages 53-58, 9/95.	ァ ー
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Examiner	Ruy	nh Nguyin	Date Considered 12/16/074	
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Examiner: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Substitute for Form 1449A/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

SHEET 1 of 2

	Complete if Known				
Application Number	09/920,984				
Filing Date	August 2, 2001				
First Named Inventor	Kentaro Miyano, et al.				
Art Unit	2642				
Examiner Name	Quynh H. Nguyen				
Attorney Docket No.	MAT-8170US				

U.S. PATENT DOCUMENTS						
		Document Number		1	Pages, Columns, Lines, Where	
Examiner Initials*	Cite No.1	Number - Kind Code ^{2 (if known)}	Publication Date (MM-DD-YYYY)	Name of Patentee or Applicant of Cited Document	Relevant Passages or Relevant Figures Appear	
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	<u></u>	Foreign Patent Document		Name of Patentee or	Pages, Columns, Lines, Where Relevant	
Examiner Initials*	Cite No.1	- Caller Carda Miller La A Ward Carda S (11 known)	Publication Date (MM-DD-YYYY)	Applicant of Cited Document	Passages or Relevant Figures Appear	T⁵
QN		EP 0 227 910 A	07/08/1987	ALLIED CORPORATION		
QN		EP 1 079 461 A	02/28/2001	MATSUSHITA ELECTRIC INDUSTRIAL CO., LTD.		
						무
Examiner Signature		Dunch Norman		Date Considered	12/16/04	

^{*}EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

Applicant's unique citation designation number (optional).

^{*}Spec Kind Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04.

*Enter Office that Issued the document, by the two-letter code (WIPO Standard St.3).

For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document.

^{*}Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible.

*Applicant is to place a check mark here if English language translation is attached.

[&]quot;Applicant is to place a check mark here if English language translation is attached.

The collection of information is required by 37 CFR 1.97 and 1.98. The Information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

SHEET 2 of 2

Complete if Known				
Application Number	09/920,984			
Filing Date	August 2, 2001			
First Named Inventor	Kentaro Miyano, et al.			
Art Unit	2642			
Examiner Name	Quynh H. Nguyen			
Attorney Docket No.	MAT-8170US			

		NON-PATENT LITERATURE DOCUMENTS	
Examiner Initials*	Cite No.1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T2
QN		F. I. TENG, D. K. CHENG: "pattern synthesis of circular arrays with many directive elements"; IEEE TRANSACTIONS ON ANTENNAS AND PROPAGATION, vol. 16, November 1968 (1968-11), pages 758-759.	
QN		TEWFIK A H ET AL: "On the equivalence of uniform circular arrays and uniform linear arrays"; IEEE, 10 October 1990 (1990-10-10), pages 139-143.	
8N		KUBOTA K ET AL: "AN ADAPTIVE ZONE CONFIGURATION SYSTEM USING ARRAY ANTENNAS"; DENSHI JOHO TSUSHIN GAKKAI GIJUTSU KUNKYU HOKOKU - IEICE TECHNICAL REPORT, DENSHI JOHO TSUSHIN GAKKAI, TOKYO, JP, September 1995 (1995-09), pages 53-58.	
84		ARES F ET AL: "Synthesis of antenna patterns of circular arc arrays". ELECTRONICS LETTERS, IEE STEVENAGE, GB, vol. 32, no. 20, 26 September 1996 (1996-09-26), pages 1845-1846.	
an		European Search Report for EP 01 11 7716, dated October 11, 2004.	
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